

Example User Account Creation Event Occurrence Database Table

100 \	102	104	106	110	108		112
	Username	Actual Name	Password	Phone Number	Date/Time		User ID
101	rob23	Rob Smith	robby-boy	206-555-1234	08/15/XX 08:23 AM	...	023674
103	mamba-queen	Sally Jones	0mamba9	-	08/16/XX 09:15 PM		123973
105	test-user	Technician I	test	-	08/27/XX 09:31 AM		987232
	⋮						

Example User Account Deletion Event Occurrence Database Table

120 \	122	124	126	128	
	Username	Deleted User ID	User ID	Date/Time	
121	mamba-queen	123973	823982	08/26/XX 09:25 PM	...
123	test-user	987232	987232	08/27/XX 09:33 AM	
	⋮				

Example User Login Event Occurrence Database Table

130 \	132	134	
	User ID	Date/Time	
131	023674	08/20/XX 06:23 PM	...
133	023674	08/20/XX 08:17 PM	...
	⋮		

Figure 1

Example User Event Type Definition Database Table

200	202	204	206	208	
	Event Type Name	Event Type ID	Event Type Required Parameters	Event Type Optional Parameters	
201	User Account Creation	68239873	Username, Actual Name, Password	Phone-Number	...
203	User Account Deletion	98723987	Username, Deleted User ID	-	
203	User Login	12398779	-	-	
	:				

Example User Event Occurrence Database Table

210	212	214	216	218	220	
	Event Type ID	Performing User ID	Date/Time	Required Parameters	Optional Parameters	
211	68239873	023674	08/15/XX 08:23 AM	rob23, Rob Smith, robby-boy	206-555-1234	...
213	68239873	123973	08/16/XX 09:15 PM	mamba-queen, Sally Jones, Omamba9	-	
215	12398779	023674	08/20/XX 06:23 PM	-	-	
217	12398779	023674	08/20/XX 08:17 PM	-	-	
219	98723987	823982	08/26/XX 09:25 PM	mamba-queen, 123973	-	
221	68239873	987232	08/27/XX 09:31 AM	test-user, Technician 1, test	-	
223	98723987	987232	08/27/XX 09:33 AM	test-user, 987232	-	
	:					

Figure 2A

Example Multi-Application Event Type Definition Database Table

230 \	232	234	236	238	
	Event Type Name	Event Type ID	Event Type Parameters	Primary Key Parameter(s)	
231	User Account Creation	68239873	Username, Actual Name, Password, Phone-Number, Date/Time, User ID, Occurrence ID, Source App ID	Occurrence ID	...
233	User Account Deletion	98723987	Username, User ID, Deleted User ID, Date/Time, Source App ID	-	
235	User Login	12398779	User ID, Date/Time, Source App ID	-	
		:			

Example Event Occurrence Database Table

240 \	242	244
	Event Type ID	Parameters
241	68239873	rob23, Rob Smith, robby-boy, 206-555-1234, 08/15/XX 08:23 AM, 023674, 1398728234, 3282
243	68239873	mamba-queen, Sally Jones, 0mamba9, , 08/16/XX 09:15 PM, 123973, 9929821423, 1284
245	12398779	023674, 08/20/XX 06:23 PM, 3282
247	12398779	023674, 08/20/XX 08:17 PM, 1284
249	98723987	mamba-queen, 823982, 123973, 08/26/XX 09:25 PM, 1284
251	68239873	test-user, Technician 1, test, , 08/27/XX 09:31 AM, 987232, 9319841238, 6424
253	98723987	test-user, 987232, 987232, 08/27/XX 09:33 AM,
		:

Figure 2B

Example Event Type Definition Database Table

Event Type Name	Event Type ID	Integer 1	Integer 2	Integer N	String 1	String 2	String M	Date/Time 1
User Account Creation	68239873	User ID	Occurrence ID	-	Username	Actual Name	-	Date/Time
User Account Deletion	98723987	User ID	Deleted User ID	-	Username	-	-	Date/Time
User Login	12398779	User ID	Source App ID	-	-	-	-	Date/Time

Example Event Occurrence Database Table

Event Type ID	Integer 1	Integer 2	Integer N	String 1	String 2	String M	Date/Time 1
68239873	023674	1398728234	-	rob23	Rob Smith	-	08/15/XX 08:23 AM
68239873	123973	9929821423	-	mamba-queen	Sally Jones	-	08/16/XX 09:15 PM
12398779	023674	3282	-	-	-	-	08/20/XX 06:23 PM
12398779	023674	1284	-	-	-	-	08/20/XX 08:17 PM
98723987	823982	123973	-	mamba-queen	-	-	08/26/XX 09:25 PM
68239873	987232	9319841238	-	test-user	Technician 1	-	08/27/XX 09:31 AM
98723987	987232	987232	-	test-user	-	-	08/27/XX 09:33 AM

Figure 2C

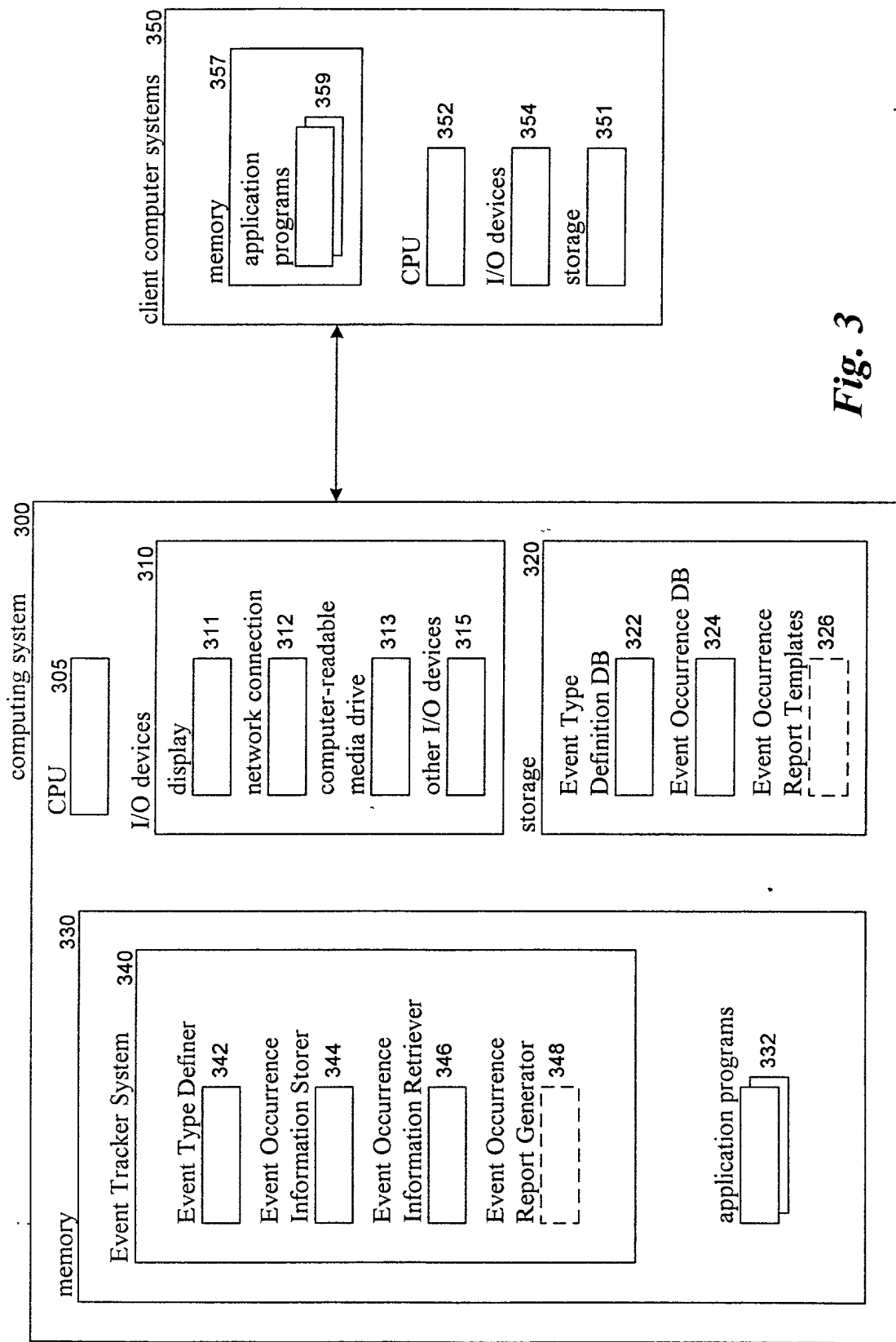


Fig. 3

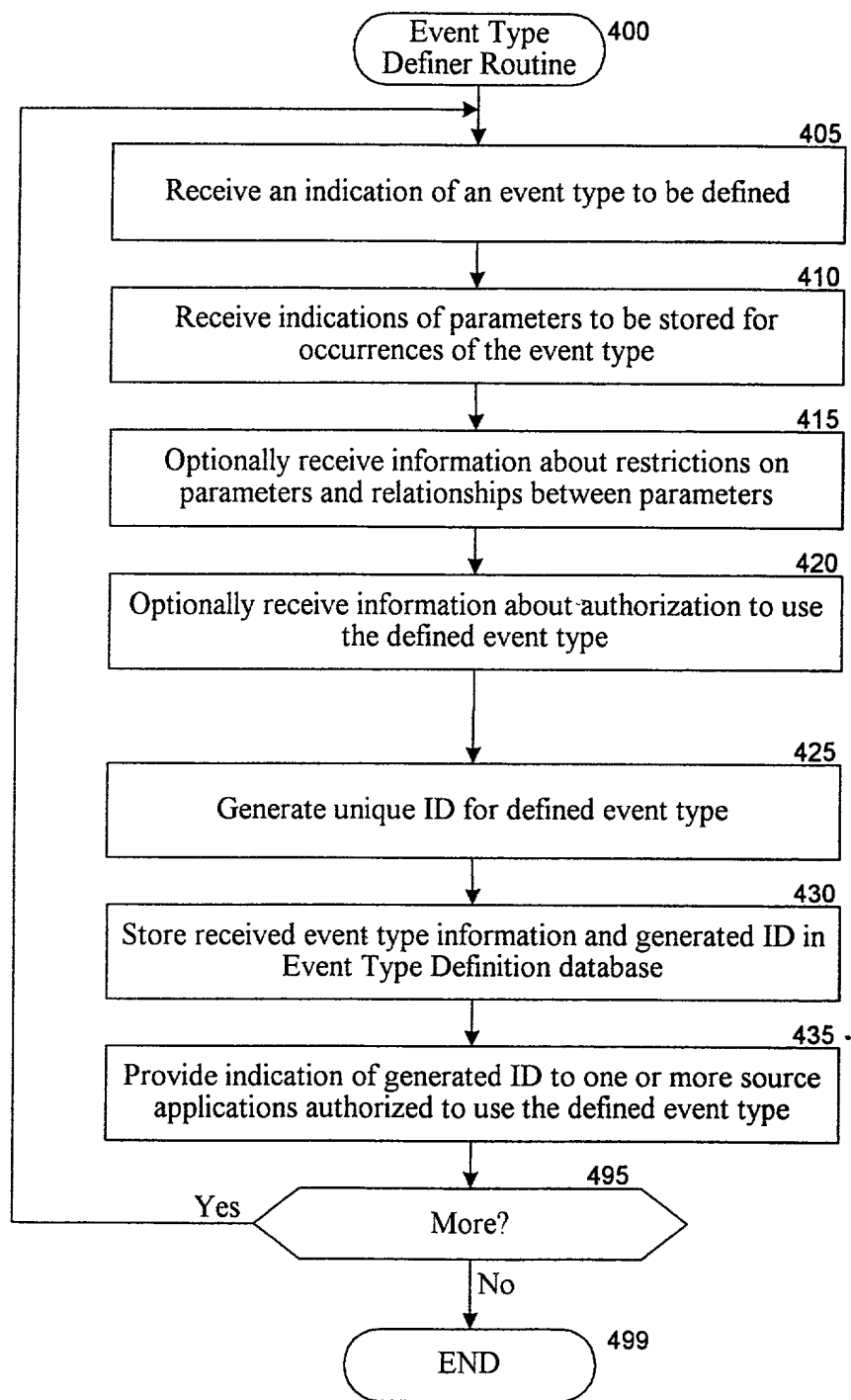
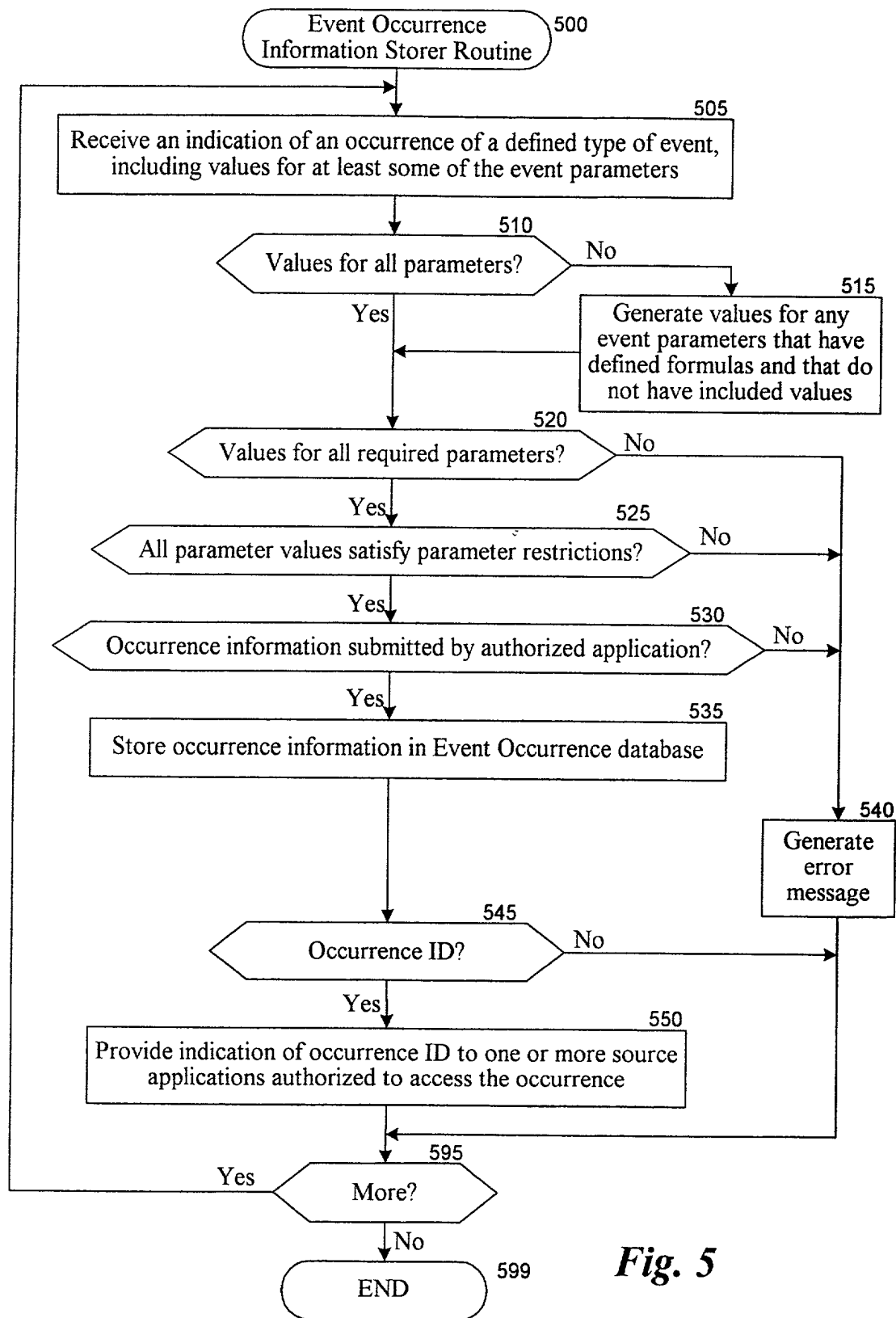


Fig. 4



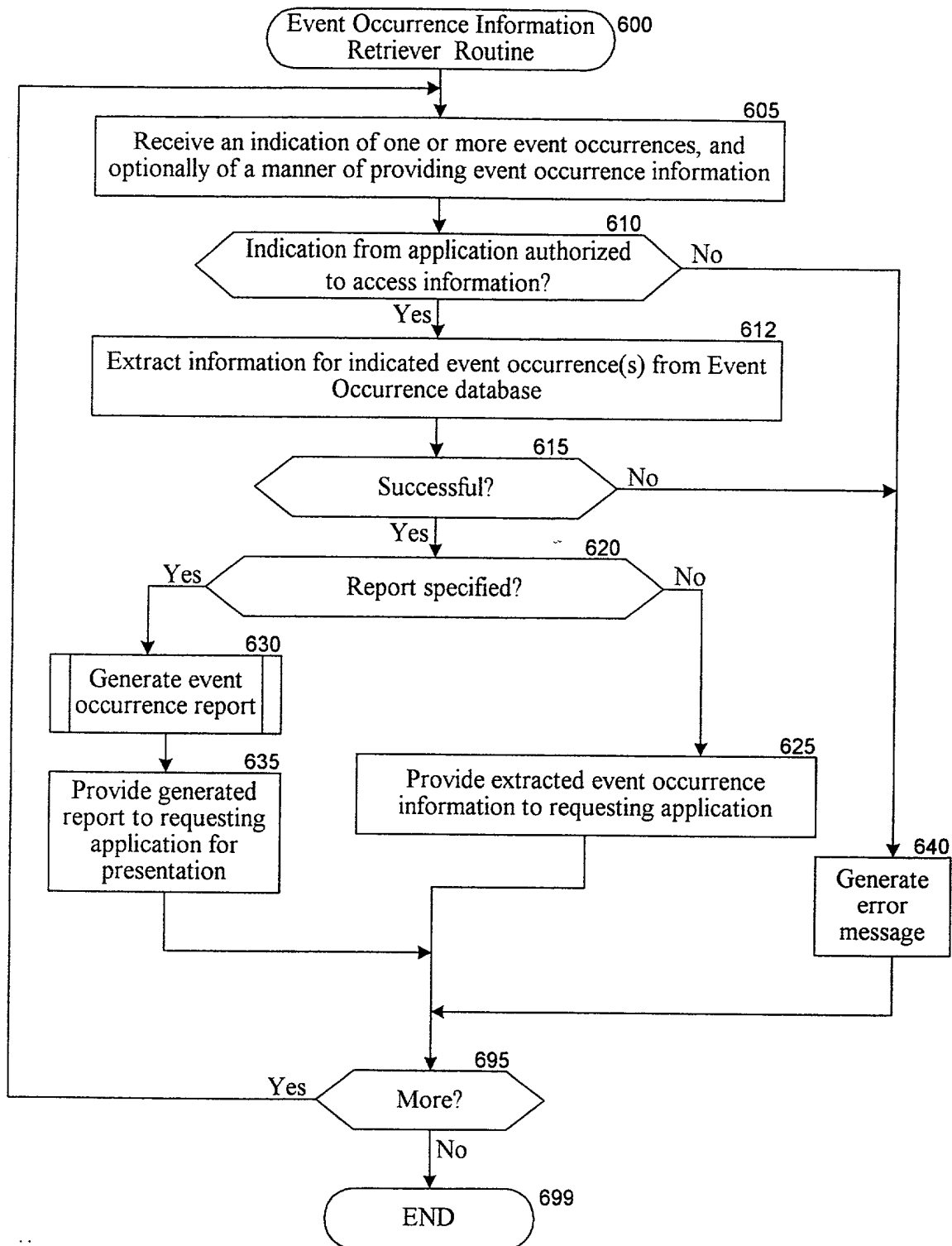


Fig. 6

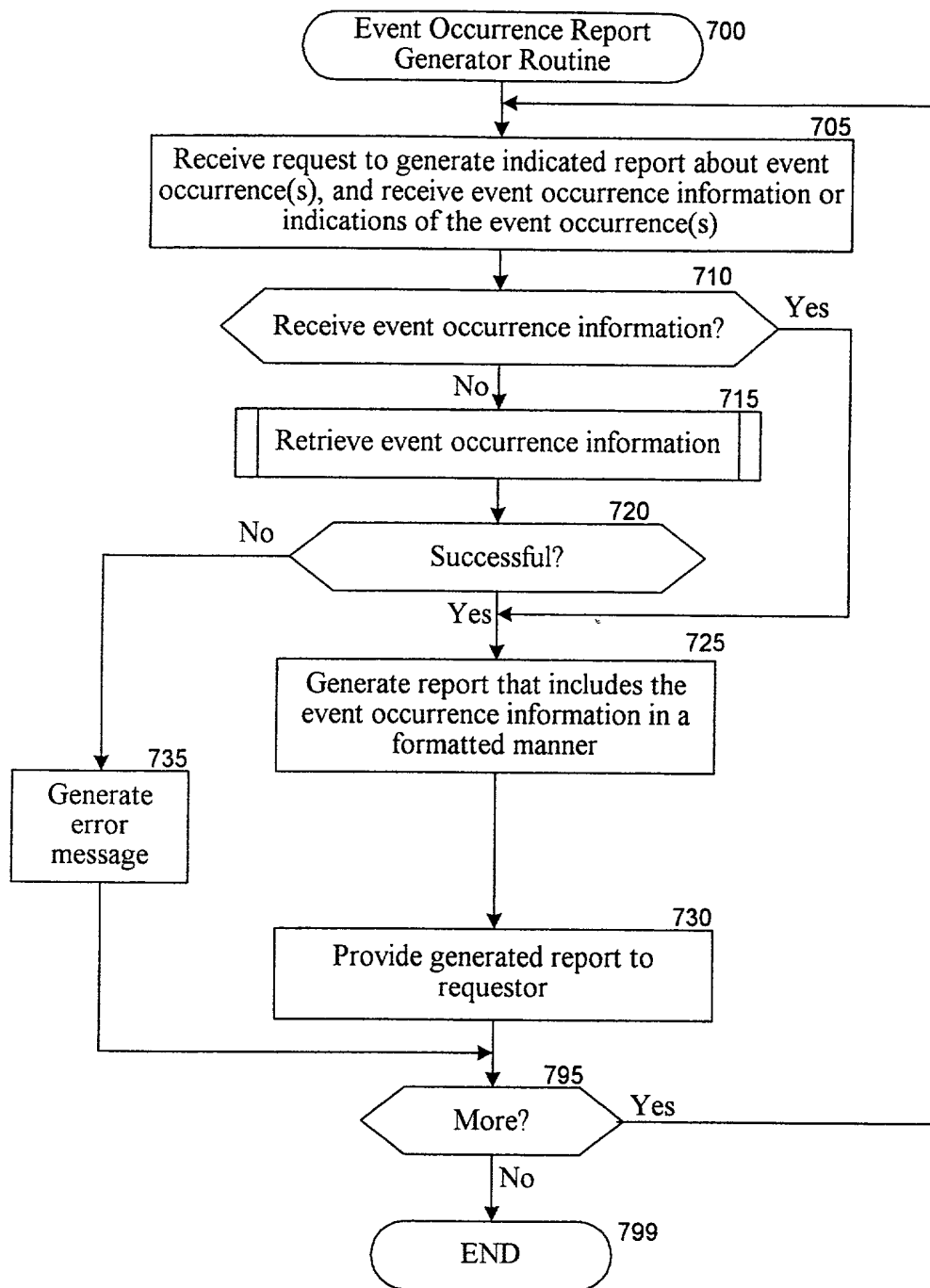


Fig. 7